

***E.coli* Background Materials**

List of Documents on CD-R

- ! EPA's National Beach Guidance and Required Performance Criteria for Grants, June 2002. EPA-823-B-02-004. (**June_2002 Beach Guidance.pdf**)
- ! EPA's Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and Escherichia coli, March 2000. EPA/821/R-97/004. (**epa Methods e.coli_MI.pdf**)
- ! EPA's Bacteria Fact Sheet. EPA 823-F-02-009. (**bacteriafs.pdf**)
- ! EPA's Ambient Water Quality Criteria for Bacteria - 1986. EPA440/5-84-002. (**1986Ba1.pdf**)
- ! EPA's Implementation Guidance for Ambient Water Quality Criteria for Bacteria, May 2002 Draft. EPA-823-B-02-003. (**2002Ba1.pdf**)
- ! Consolidated Assessment and Listing Methodology, Section 7. July 2002. First Edition. (**Cover & Table of Contents.pdf**)

Sec. 7. Using Bacteria Criteria as Indicators of Water Quality . (**calm_ch7.pdf**)
- ! Results of previous IDEM study on the issue of testing methodologies: 6 documents
justificationchromogen.doc
currentecoli.doc
ecolijustification.doc
ashackmemo.doc
coliformcounts.pdf
evalmteccolilert.pdf
- ! Synopsis of the 2002 document prepared by IDEM. (**Implementation Guidance Synopsis12902.doc**)
- ! Copy of the Carmel case on E.coli - Carmel v. IDEM. (**Montgomery-Costle.rtf**)
- ! What other states are doing regarding changing designated uses: Some information on the following -

Kansas Department of Health and Environment - "Kansas Implementation Procedures, Surface Water Quality Standards, Bureau of December 27, 2002. (**Kansas implent_01.pdf**)

Kansas Bureau of Water - Data Management and Compliance Unit: Total Coliform. (**Kansas_coliform.html**)

Michigan Department of Environmental Quality - "About Beach Monitoring in Michigan". (**MI_Beach Monit.pdf**)

Ohio - Water use and designations and statewide criteria - 3745 -1-07. (**Ohio_01-07.pdf**)

Texas Natural Resource Conversation Commission, Chapter 307 - Texas Surface Water Quality Standards, Rule Log No. 1988-055-307-WT. (Has information on modifying designated uses when it can be demonstrated through a Use Attainability Analysis that attaining the higher designated use is not feasible, etc.). (**Texas_preamble.pdf**)

NOTE:

Regarding Guidance on testing methodologies, the methods do not yet exist in 40 CFR 136 for e.coli and enterococci and they are expected to appear by January 2003 at the soonest.

Regarding the two previous documents mentioned in the 1986 version, the USEPA's 1976 document no longer exists and was cited in the 1984 version. The 1976 document, "Procedures for developing compliance rules for water quality protection", was an early version of what is now referred to as the "Gold Book". The protocol that this refers to is covered in detail in the 2002 document.

Technical references for E.coli persistence in the environment: Have been requested from Ron Turco and Paul Werderitch and will be distributed when received.

E.coli data for municipal lagoon systems is attached.

1/2/03 kv